

Appl. No.: 10/583,393
Amdt. dated March 26, 2009
Reply to Office Action of December 26, 2008

Amendments to the Claims:

1. (Currently Amended) An apparatus comprising:
 - means for scanning a spectrum of frequencies;
 - means for detecting a plurality of radio stations broadcast within said spectrum of frequencies;
 - means for decoding, for each of a plurality of detected radio stations, at least one piece of supplementary information broadcast in conjunction with the plurality of radio stations, the supplementary information comprising an associated radio station name;
 - means for receiving a search criterion, the search criterion comprising a partial or complete name of a radio station;
 - means for generating a set of radio stations whose supplementary information matches said search criterion;
 - means for sending displaying the set of at least one piece of supplementary information to a display, wherein each of the at least one piece of supplementary information associated with the set of radio stations whose supplementary information matches the search criterion are configured to be displayed; and
 - means for receiving a selection of one of the set of radio stations whose supplementary information matches said search criterion, and selecting one of the set of radio stations from the supplementary information displayed on the display means.
2. (Cancelled).
3. (Currently Amended) An apparatus as claimed in claim 20, wherein said display is suitable configured for concurrently displaying a plurality of elements of the set of at least one piece of supplementary information.
4. (Currently Amended) An apparatus as claimed in claim 20, wherein said display is

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arranged configured to display only one element of the set of at least one piece of supplementary information at a time.

5-6. (Cancelled)

7. (Currently Amended) An apparatus as claimed in claim 20, wherein said set of radio stations whose supplementary information matches said search criterion comprises one or more radio stations.

8. (Previously Presented) An apparatus as claimed in claim 20, wherein the set of the at least one piece of supplementary information comprises a piece of supplementary information for each radio station detected having supplementary information broadcast therewith.

9-10. (Cancelled).

11. (Currently Amended) An apparatus as claimed in claim 20, wherein said selection circuitry is arranged configured to interrupt said scanning circuitry means when a radio station is selected.

12. (Previously Presented) An apparatus as claimed in claim 20, wherein the supplementary information conforms to at least one of the Radio Data System standard and the Radio Broadcasting Data System standard.

13. (Previously Presented) An apparatus as claimed in claim 20, further comprising receiving circuitry for receiving the radio station signal and decoding circuitry for decoding the radio station signal.

14. (Previously Presented) An apparatus as claimed in claim 20, wherein the radio station signal is an audio signal and the device comprises a speaker for providing the audio signal to a

user.

15. (Previously Presented) An apparatus as claimed in claim 20, wherein the radio station signal is a frequency modulated signal.
16. (Previously Presented) A mobile device as claimed in claim 20, wherein the radio station signal is an amplitude modulated signal.
17. (Previously Presented) An apparatus as claimed in claim 1, further comprising:
means for storing the at least one piece of supplementary information and information relating to a broadcast frequency of each of a plurality of the detected radio stations.
18. (Currently Amended) A method comprising:
scanning a spectrum of frequencies;
detecting a plurality of radio stations broadcast within said spectrum of frequencies;
decoding for each of a plurality of detected radio stations, at least one piece of supplementary information broadcast in conjunction with the plurality of radio stations, the supplementary information comprising an associated radio station name;
receiving a search criterion, the search criterion comprising a partial or complete name of a radio station;
filtering with filtering circuitry the supplementary information to generate a set of radio stations whose supplementary information matches the search criterion;
displaying sending a set of at least one piece of supplementary information to a display,
wherein each of the at least one piece of supplementary information associated with the set of
radio stations whose supplementary information matches the search criterion are configured to be
displayed;
receiving a selection of one of the set of radio stations whose supplementary information matches the search criterion; and
selecting the selected one of the set of radio stations whose supplementary information

matches the search criterion.

19. (Cancelled).
20. (Currently Amended) An apparatus comprising:
scanning circuitry for scanning a spectrum of frequencies;
detection circuitry for detecting a plurality of radio stations broadcast within said spectrum of frequencies;
decoding circuitry for decoding, for each of a plurality of detected radio stations, at least one piece of supplementary information broadcast in conjunction with the plurality of radio stations, the supplementary information comprising an associated radio station name;
input circuitry for receiving a search criterion, the search criterion comprising a partial or complete name of a radio station[[.]];
filtering circuitry for generating a set of radio stations whose supplementary information matches said search criterion;
~~a display for displaying sending circuitry configured to send the [[a]] set of at least one piece of supplementary information, wherein each of the displayed at least one piece of supplementary information associated with the set of radio stations whose supplementary information matches the search criterion are configured to be displayed; and~~
selection circuitry for receiving a selection of one of the set of radio stations whose supplementary information matches said search criterion, the selection circuitry ~~arranged configured to select one of the set of radio stations from the supplementary information displayed on the display.~~
21. (Previously Presented) An apparatus as claimed in claim 20 further comprising:
memory for storing the at least one piece of supplementary information and information relating to a broadcast frequency of each of a plurality of the detected radio stations.

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22. A computer program product comprising at least one computer-readable memory storage medium having computer-readable program instructions stored therein, the computer-readable program instructions arranged configured to instruct a computer to carry out a method, comprising:

scanning a spectrum of frequencies;

detecting a plurality of radio stations broadcast within said spectrum of frequencies;

decoding for each of a plurality of detected radio stations, at least one piece of supplementary information broadcast in conjunction with the plurality of radio stations, the supplementary information comprising an associated radio station names;

receiving a search criterion, the search criterion comprising a partial or complete name of a radio station;

filtering the supplementary information to generate a set of radio stations whose supplementary information matches the search criterion;

displaying sending the set of radio stations whose supplementary information matches the search criterion;

receiving a selection of one of the set of radio stations whose supplementary information matches the search criterion; and

selecting the selected one of the set of radio stations whose supplementary information matches the search criterion.

23. (New) A method as claimed in claim 18, further comprising concurrently displaying a plurality of elements of a set of at least one piece of supplementary information.

24. (New) A method as claimed in claim 18, further comprising displaying only one element of a set of at least one piece of supplementary information at a time.

24. (New) A method as claimed in claim 18, wherein the set of radio stations whose supplementary information matches the search criterion comprises one or more radio stations.

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25. (New) A method as claimed in claim 18, wherein the set of at least one piece of supplementary information comprises a piece of supplementary information for each radio station detected having supplementary information broadcast therewith.